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SCS ENGINEERS

Results of the 1st Quarter 2005 Groundwater Monitoring and Sampling Event

Former A-1 Rentals
458 West College Avenue
Santa Rosa, California
(Assessor's Parcel No. 010-441-011)
(NCRWQCB Case No. 1TSR364)

File Number 01203354.00

Prepared by:

SCS Engineers
3645 Westwind Boulevard
Santa Rosa, California 95403

To:

Mr. Jim Tischler
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

August 3, 2005

LIMITATIONS/DISCLAIMER

This report has been prepared for the Former A-1 Rentals site with specific application to a Quarterly Monitoring event for the property located at 458 West College Avenue, Santa Rosa, California. Field activities and sampling were conducted in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

Access to the property and the surrounding area was and is limited by buildings, roadways, underground and above-ground utilities and other miscellaneous site and site vicinity features. Therefore, the field exploration and points of subsurface observation were and are somewhat restricted.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, or other factors. Additional information which was not available to the consultant at the time of this quarterly monitoring event or changes which may occur on the site or in the surrounding area may result in modification to the site that would impact the summary presented herein. This report is not a legal opinion.

We trust this report provides the information you require at this time. If you require any additional information or have any questions, please do not hesitate to contact SCS at (707) 546-9461.

KLC

Kevin L. Coker REA 7887
CA registration fees paid through 06/30/05

8/4/05

Date

PROFESSIONAL GEOLOGIST
STEPHEN KNUTTEL
No. 7674
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Stephen Knuttel PG 7674
CA registered fees paid through 07/31/07

4 Aug 2005

Date

Introduction

SCS Engineers (SCS) is pleased to present the results of the 1st Quarter 2005 groundwater monitoring and sampling event conducted at the Former A-1 Rentals site, located at 458 West College Avenue, Santa Rosa, California (Assessors Parcel No. 010-441-011). A summary of historical site investigative activities is presented in previous reports (MP, 1999a, 1999b; PNEG[1] 2001a; SCS, 2003a). The site is located as shown on the Site Location Map, Figure 1. General site features are as shown on the Site Plan, Figure 2.

Groundwater Monitoring

Depth to groundwater measurements were collected from MW-01 through MW-06 on March 14, 2005. Depth to groundwater measurements ranged from approximately 5.5 to 8 feet below ground surface (bgs). The depth to groundwater measurements and well casing elevations were used to calculate groundwater flow direction and gradient. Casing and groundwater elevations are reported in feet relative to mean sea level. Depth to groundwater is expressed in feet. For the 1st Quarter 2005 sampling event, the groundwater flow direction was interpolated to be northerly with a calculated gradient of 0.01 (Figure 2, and Table 1).

Groundwater Sampling

After depth to groundwater measurements were collected, MW-01 through MW-06 were checked for the presence of free product using an oil/water interface probe and by subjective evidence. No free product was reported during this monitoring event. Each well was then purged of approximately three wetted well casing volumes, or at least 5 gallons of groundwater, whichever was greater, using a submersible pump. Temperature, pH, conductivity, turbidity, and dissolved oxygen readings were measured during purging to help demonstrate that fresh groundwater was entering the well casing. Each well was then allowed to recover prior to sampling. The groundwater samples were obtained using a separate disposable bailer for each well and were transferred to the appropriate containers supplied by the laboratory for analysis. The samples were labeled, stored under refrigerated conditions, and transported under Chain-of-Custody documentation to Analytical Sciences (AS) of Petaluma, California for analysis. AS is a California Department of Health Services certified laboratory for the analyses requested. All samples were collected following Standard Soil and Water Sampling Procedures and QA/QC Protocol. Information obtained during sampling was recorded on field sampling forms and Well Purge Records were generated, copies of which are presented in Appendix A. Purge water generated from well sampling activities is stored at the site in 55-gallon UN/DOT-approved drums, pending disposal.

[1] Pacific Northwest EnviroNet Group, Inc. (PNEG) became a part of SCS in July 2003.

Laboratory Analysis

The groundwater samples collected from the monitoring wells were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 5030/8015M, and for volatile organic compounds (VOCS), including the five ether-based oxygenates and lead scavengers, by EPA Method 8260B.

Groundwater Analytical Results

The analytical results for MW-01 through MW-06 for the March 14, 2005 sampling event are presented in Table 2, and contoured on the isoconcentration maps, Figures 3 through 6. Groundwater analytical results to date are summarized in Table 2, and plotted on time versus concentration diagrams, Diagrams A through C. A copy of the laboratory analytical report is presented in Appendix B.

Discussion and Project Update

The information contained herein represents the seventh consecutive sampling event for MW-01 through MW-06. As indicated on the attached Figures 3 through 6, two separate groundwater plumes appear to be present beneath the site; one resulting from the former northern underground storage tanks (USTs) and a separate plume (primarily methyl tertiary butyl ether[MTBE]) resulting from the southern USTs which were recently removed from the site (Figure 2). The groundwater impact concentrated in the general vicinity of MW-05 which extends in a northerly direction towards MW-04 has been documented to be primarily gasoline and other VOCs, including halogenated VOCs (HVOCs). The MTBE-impacted groundwater plume at the south of the property appears to be moving in a northerly direction, down-gradient from the southern USTs (Figure 4).

Based on the groundwater analytical results for the site, the NCRWQCB requested the submittal of a work plan to perform additional plume characterization at the site (NCRWQCB, 2004a). SCS subsequently submitted a work plan (SCS 2004a) and work plan revisions (SCS 2004c, 2004d, and 2004f) which were subsequently approved by the NCRWQCB (NCRWQCB, 2004b). The drilling permit applications were submitted to the SCDHS on February 15, 2005. Drilling of the site was completed in May 2005. A summary report has been prepared and was delivered to the NCRWQCB on July 29, 2005.

Recommendations

SCS recommends continued quarterly monitoring and sampling of the existing groundwater monitoring wells MW-3 through MW-6 and the newly installed wells MW-7 through MW-11. Groundwater samples collected from MW-01, MW-02, and MW-03 have been below the laboratory RDL for all target analytes since August 2003, excluding minor concentrations of toluene detected in

MW-01 and MW-02 during the initial sampling event in August 2003. SCS recommends either discontinuing monitoring and sampling of these wells, or placing them on an annual sampling schedule.

Attachments
File No. 01203354.00

Figure 1: Site Location Map
Figure 2: Site Plan - Groundwater Flow Direction and Gradient for 03/14/05
Figure 3: Isoconcentration Map – TPH-g in Groundwater for 03/14/05
Figure 4: Isoconcentration Map – MTBE in Groundwater for 03/14/05
Figure 5: Isoconcentration Map – ΣGasoline Components (Excluding MTBE) in Groundwater for 03/14/05
Figure 6: Isoconcentration Map – ΣNon-Gasoline Components in Groundwater for 03/14/05
Key to Diagrams and Tables
Diagram A: TPH-g & Groundwater Elevation vs. Time
Diagram B: MTBE & Groundwater Elevation vs. Time
Diagram C: ΣVOCs (Excluding TPH-g, BTEX, and MTBE) & Groundwater Elevation vs. Time
Diagram D: ΣNon Gasoline-Related Compounds & Groundwater Elevation vs. Time
Table 1: Groundwater Flow Direction and Gradient
Table 2: Groundwater Analytical Results
Appendix A
Well Purge Records, dated March 14, 2005
Appendix B
Analytical Sciences report #5031503, dated March 29, 2005

References
File No. 01203354.00

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MP, 1999b. Limited Phase II Environmental Site Assessment, December 13.
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SCS, 2003a. Results of Additional Soil and Groundwater Investigation at Nations Rents, 458 West College Avenue, Santa Rosa, California, November 13.

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SCS, 2004d. Response to NCRWQCB verbal comments regarding modifications of the May 3, 2004 Work Plan for Additional Subsurface Investigation, Nations Rent Site, 458 West College Avenue, Santa Rosa, California, June 21.

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SCS, 2005. Results of the 4th Quarter 2004 Groundwater Monitoring and Sampling Event at Nations Rents, 458 West College Avenue, Santa Rosa, California, March 22.

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SRFD, 1993. Confirmation of removal of 6,000-gallon gasoline UST in 1986.

Wheeler, A., 2001. Telephone conversation between Mr. Anthony Wheeler and Gary Johnson of SCS, December 27.

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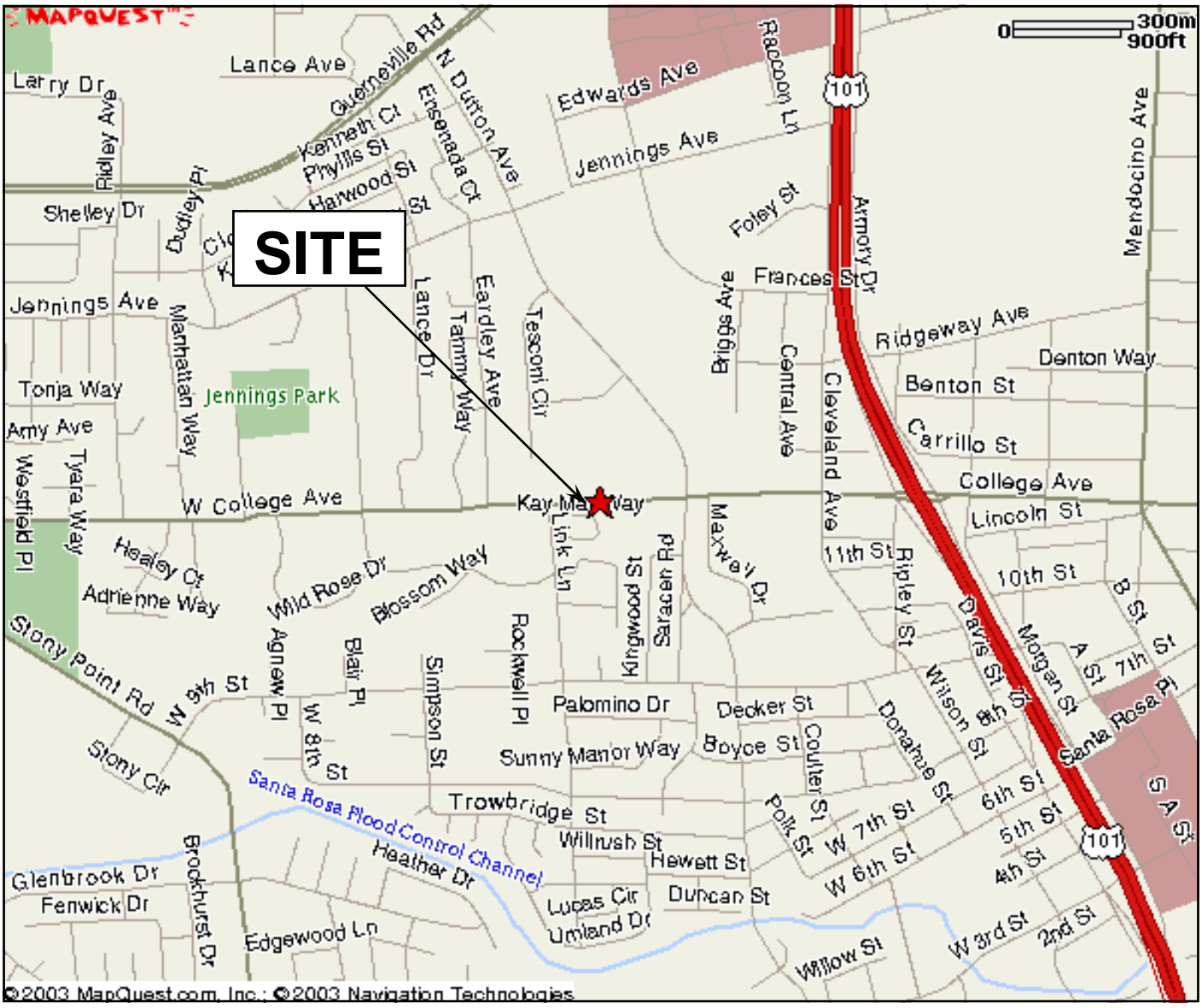

SCS ENGINEERS 3645 WESTWIND BOULEVARD SANTA ROSA, CA 95403 PH. (707) 546–9461 FAX (707) 544–5769	SITE LOCATION MAP FORMER A-1 RENTALS 458 WEST COLLEGE AVE. SANTA ROSA, CA	APPROX. SCALE 0 FT 900 FT FIGURE 1

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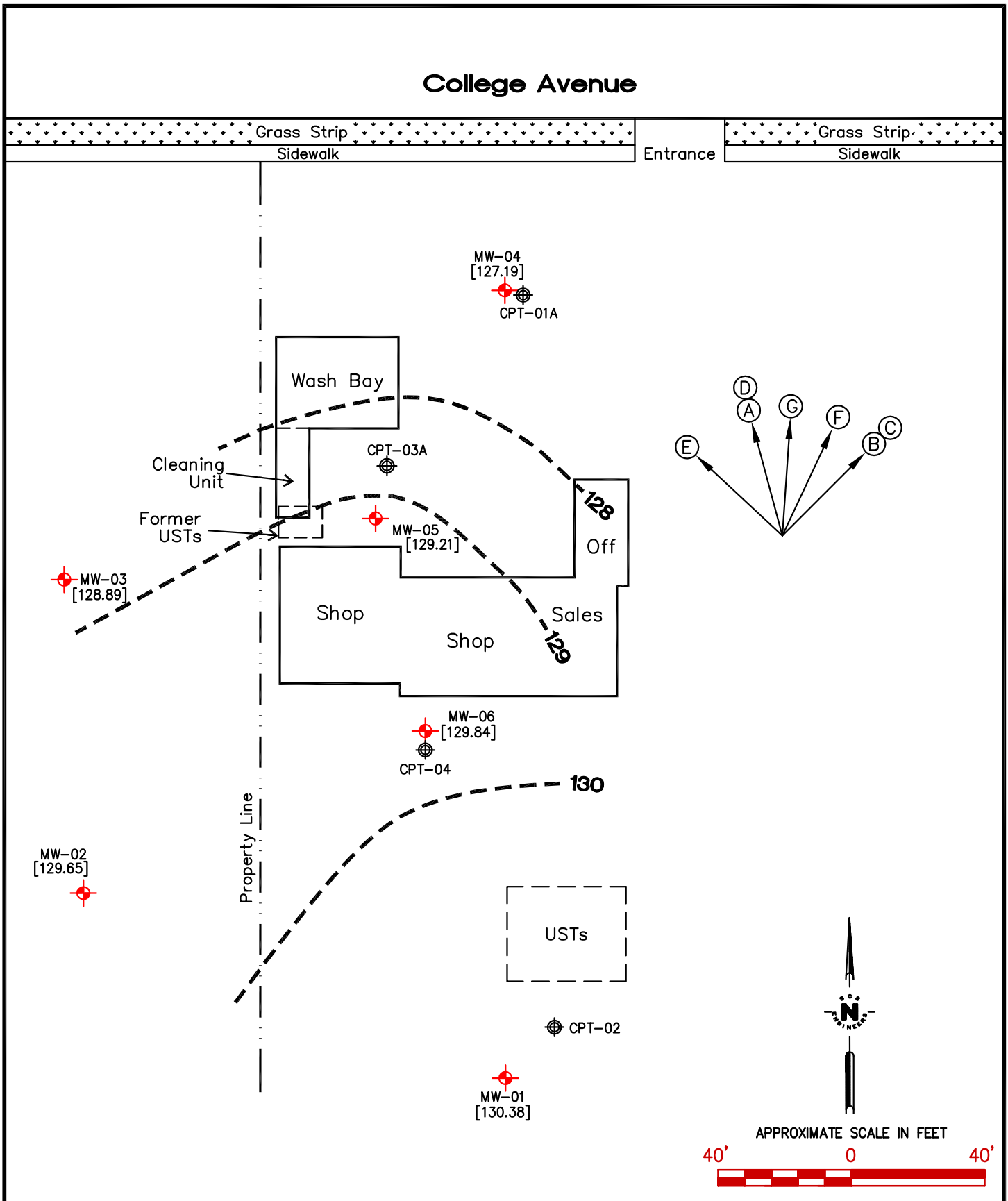
11/13/03		



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PROJ. NO.:	DWN. BY:	ACAD FILE:
3354.00	AJH	3354.00-GW.G-3442
DATE:	CHK. BY:	APP. BY:
5/23/05		SK

SHEET TITLE: SITE PLAN
GROUNDWATER FLOW DIRECTION AND GRADIENT FOR 3/14/05

PROJECT TITLE: FORMER A-1 RENTALS
458 W. COLLEGE AVENUE
SANTA ROSA, CALIFORNIA

SCALE: 1" = 40'

FIGURE NO.: 2
1 OF 2

GROUNDWATER FLOW LEGEND

Estimated Groundwater Gradient Direction → (A)

Gradient Contour (Interval = 1.0 ft) – – – – –

Identifier Tag	Date	Est. Flow Direction	Gradient Slope
(A)	8/28/03	Northerly	i = 0.01
(B)	12/8/03	Northeasterly	i = 0.01
(C)	3/9/04	Northeasterly	i = 0.02
(D)	6/23/04	Northerly	i = 0.01
(E)	9/13/04	Northwesterly	i = 0.01
(F)	1/6/05	NNE	i = 0.01
(G)	3/14/05	Northerly	i = 0.01

Identifier Tag	Date	Est. Flow Direction	Gradient Slope

MW–1 [XX.XX] Monitoring Well Location Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).

Cone Penetrometer Test Boring (CPT) Location

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PROJ. NO.:	DWN. BY:	ACAD FILE:
3354.00	AJH	3354.00–GW.G–3442
DATE:	CHK. BY:	APP. BY:
5/23/05		SK

SHEET TITLE: SITE PLAN
GROUNDWATER FLOW DIRECTION AND GRADIENT FOR 3/14/05

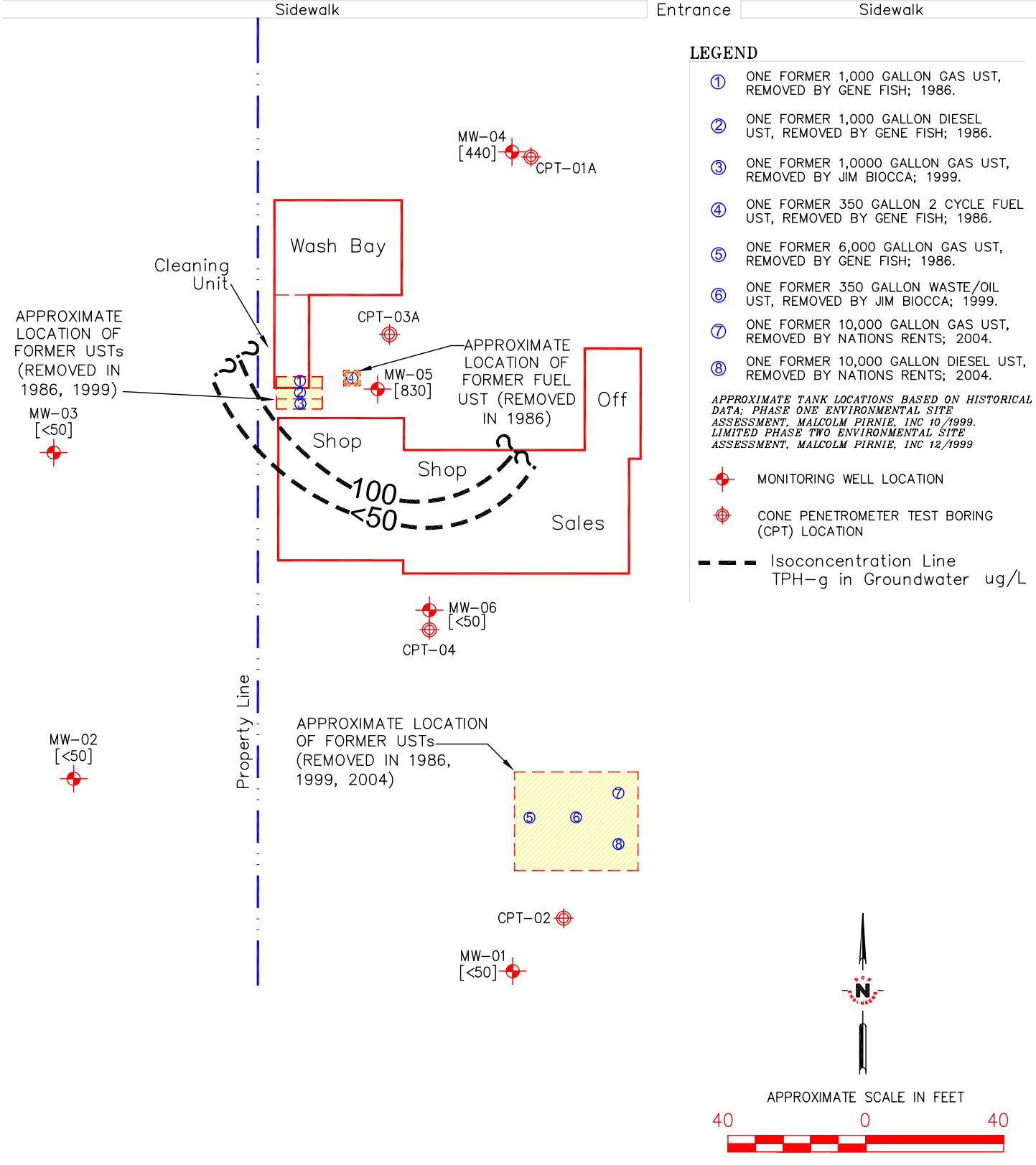
PROJECT TITLE: FORMER A–1 RENTALS
458 W. COLLEGE AVENUE
SANTA ROSA, CALIFORNIA

SCALE: 1" = 40'

FIGURE NO.: 2
2 OF 2

College Avenue

Grass Strip | Sidewalk | Entrance | Grass Strip | Sidewalk



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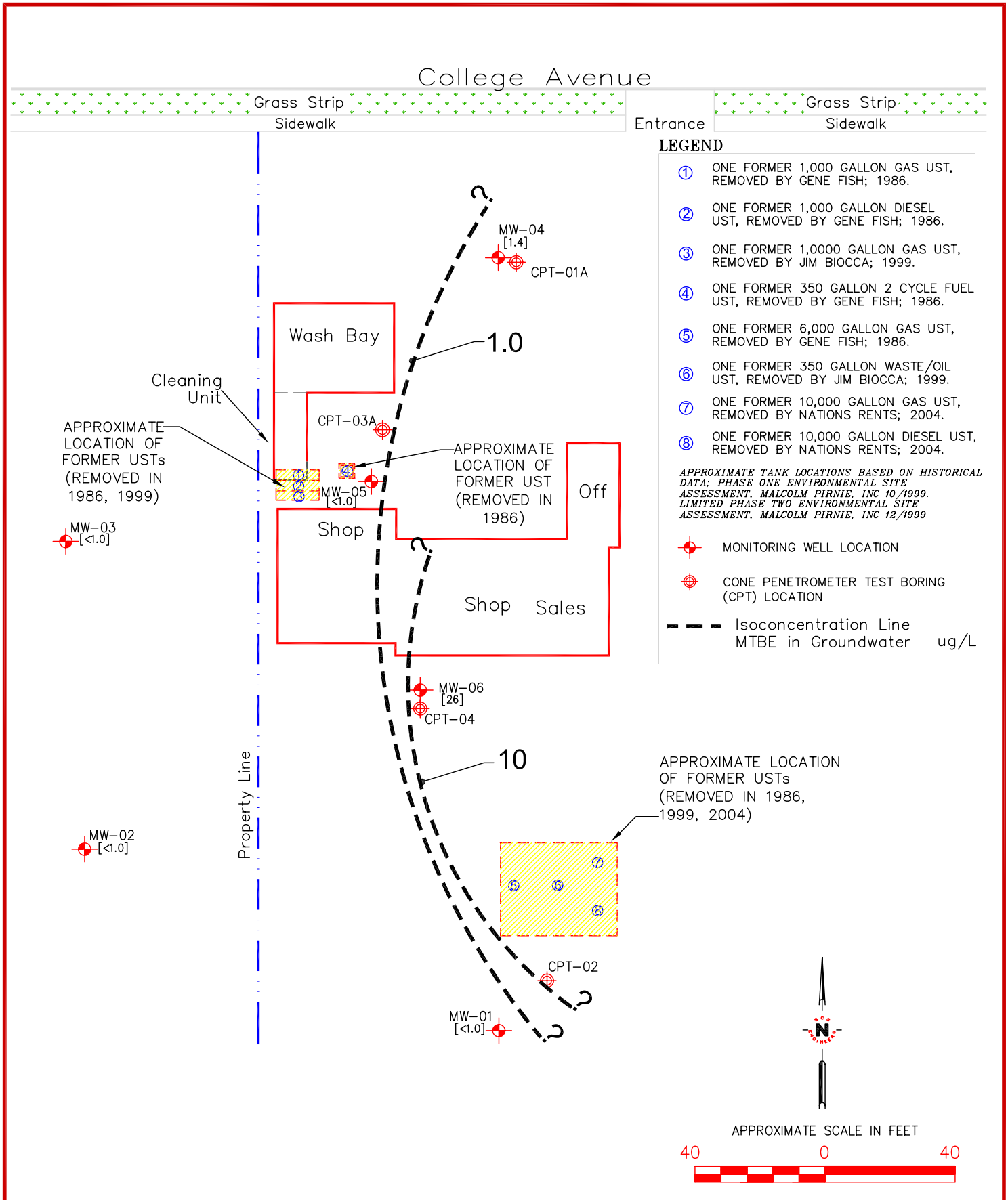
3354.00	JJM	3354.00-ISO-GGW-01_05
DATE	CHK. BY:	APP. BY:
5/07/05	KLC	

SHEET TITLE: ISOCONCENTRATION MAP – TPH-g IN GROUNDWATER FOR 3/14/05

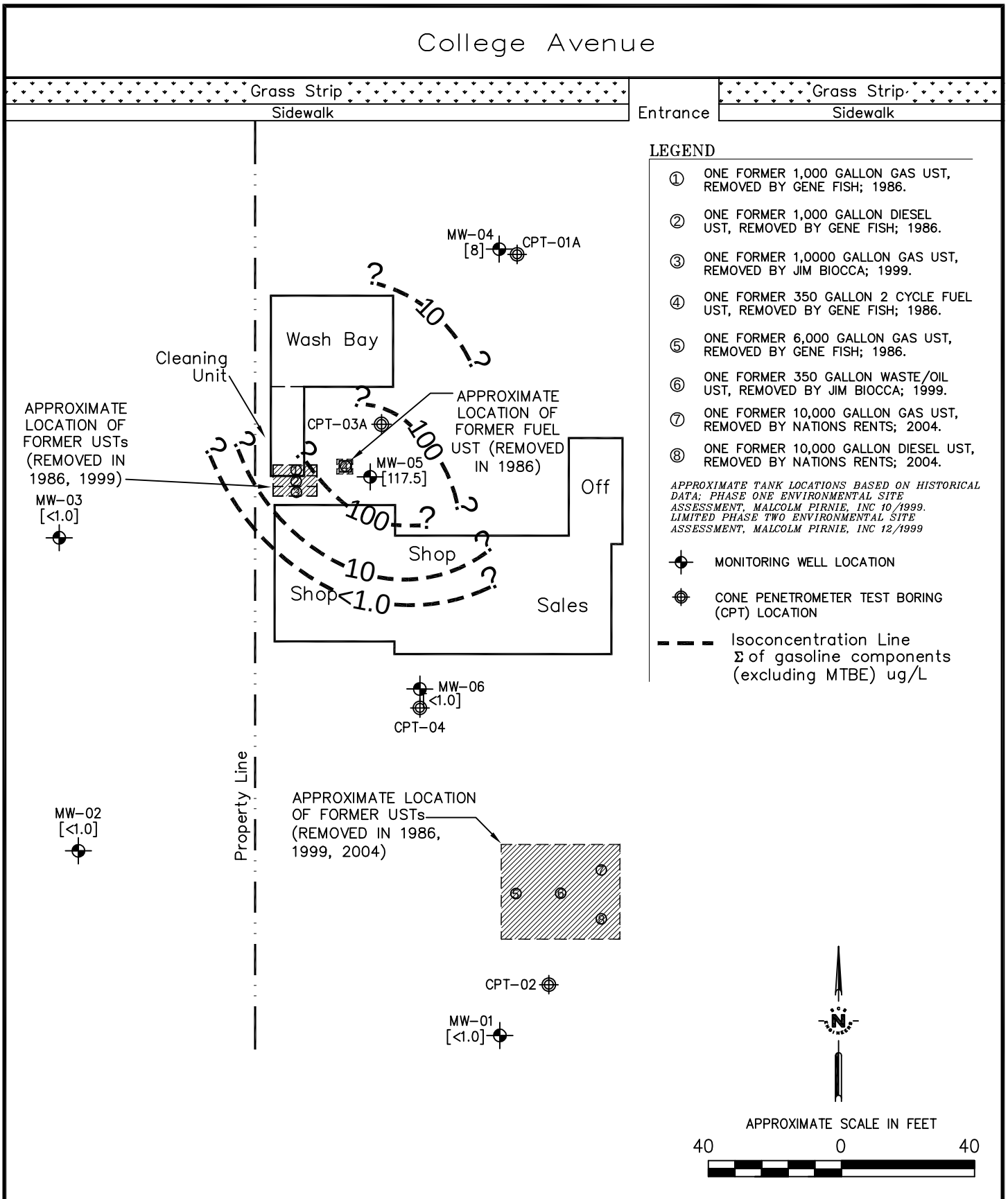
PROJECT TITLE: FORMER A1 RENTALS
458 W. COLLEGE AVENUE
SANTA ROSA, CALIFORNIA

SCALE: 1" = 40'

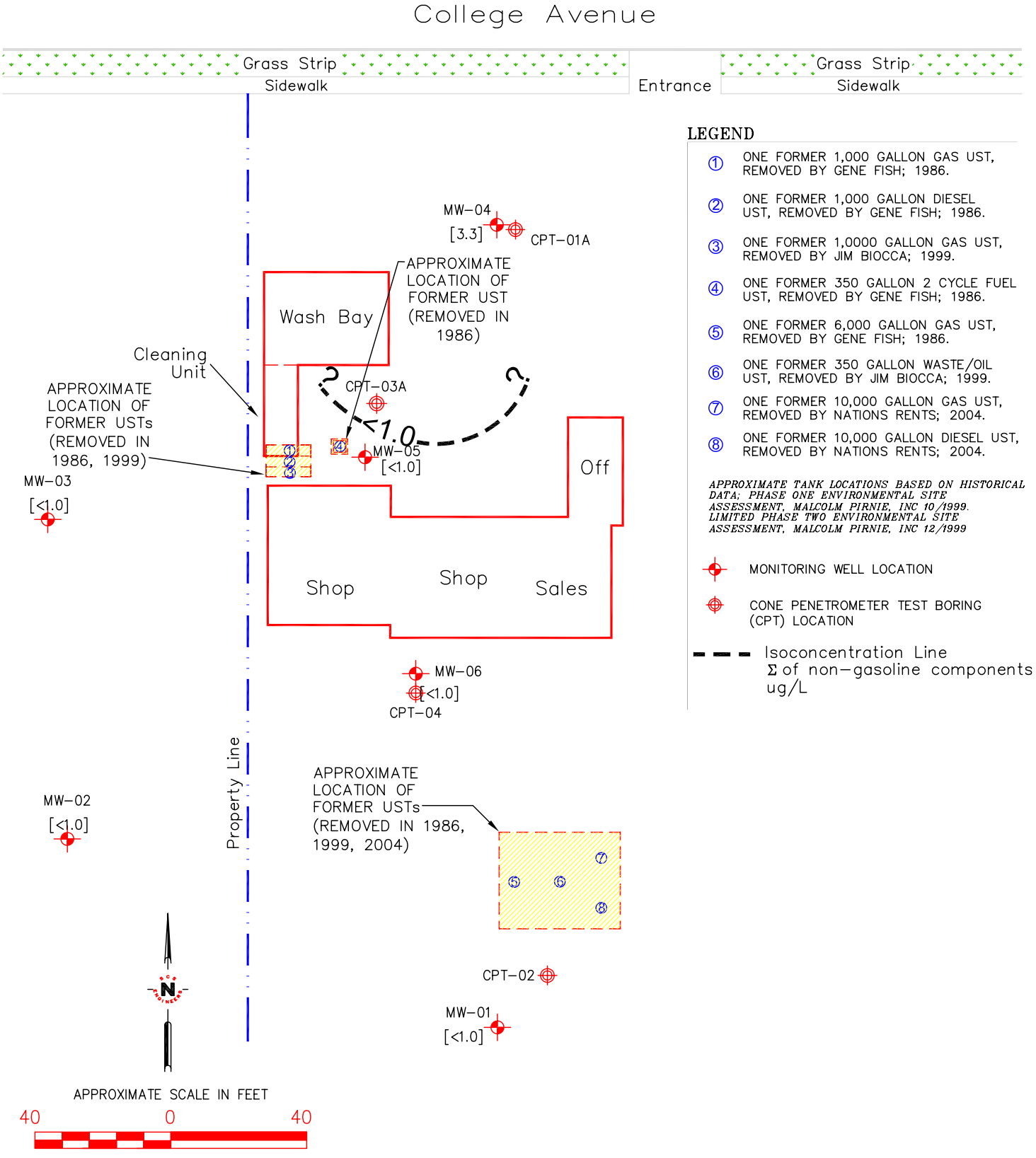
FIGURE NO. 3



SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA 94503 PH. (707) 946-5461 FAX. (707) 544-5769	SHEET TITLE: ISOCONCENTRATION MAP – MTBE IN GROUNDWATER FOR 3/14/05	SCALE: 1" = 40'
PROJ. NO. 3354.00 · DWN. BY: JJM · ACAD FILE: 3354.00-ISO-GGW-01_05 DATE 5/07/05 · CHK. BY: KLC · APP. BY:	PROJECT TITLE: FORMER A1 RENTALS 458 W. COLLEGE AVENUE SANTA ROSA, CALIFORNIA	FIGURE NO. 4



SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA 95403 PH. (707) 546-9461 FAX. (707) 544-5769	SHEET TITLE: ISOCONCENTRATION MAP – Σ GASOLINE COMPONENTS (EXCLUDING MTBE) IN GROUNDWATER FOR 3/14/05	SCALE: 1" = 40'
PROJ. NO.: 3354.00 DWN. BY: AJH ACAD FILE: 3354.00-IS05-GAS-3481 DATE: 6/27/05 CHK. BY: KLC APP. BY:	PROJECT TITLE: FORMER A1 RENTALS 458 W. COLLEGE AVENUE SANTA ROSA, CALIFORNIA	FIGURE NO.: 5



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PROJ. NO.	DWN. BY:	ACAD FILE:
3354.00	AJH	3354.00-ISO4-(rev)3334
DATE	CHK. BY:	APP. BY:
5/9/05		SK

SHEET TITLE: ISOCONCENTRATION MAP – Σ NON-GASOLINE COMPONENTS IN GROUNDWATER FOR 03/14/05

PROJECT TITLE: FORMER A1 RENTALS
458 W. COLLEGE AVENUE
SANTA ROSA, CALIFORNIA

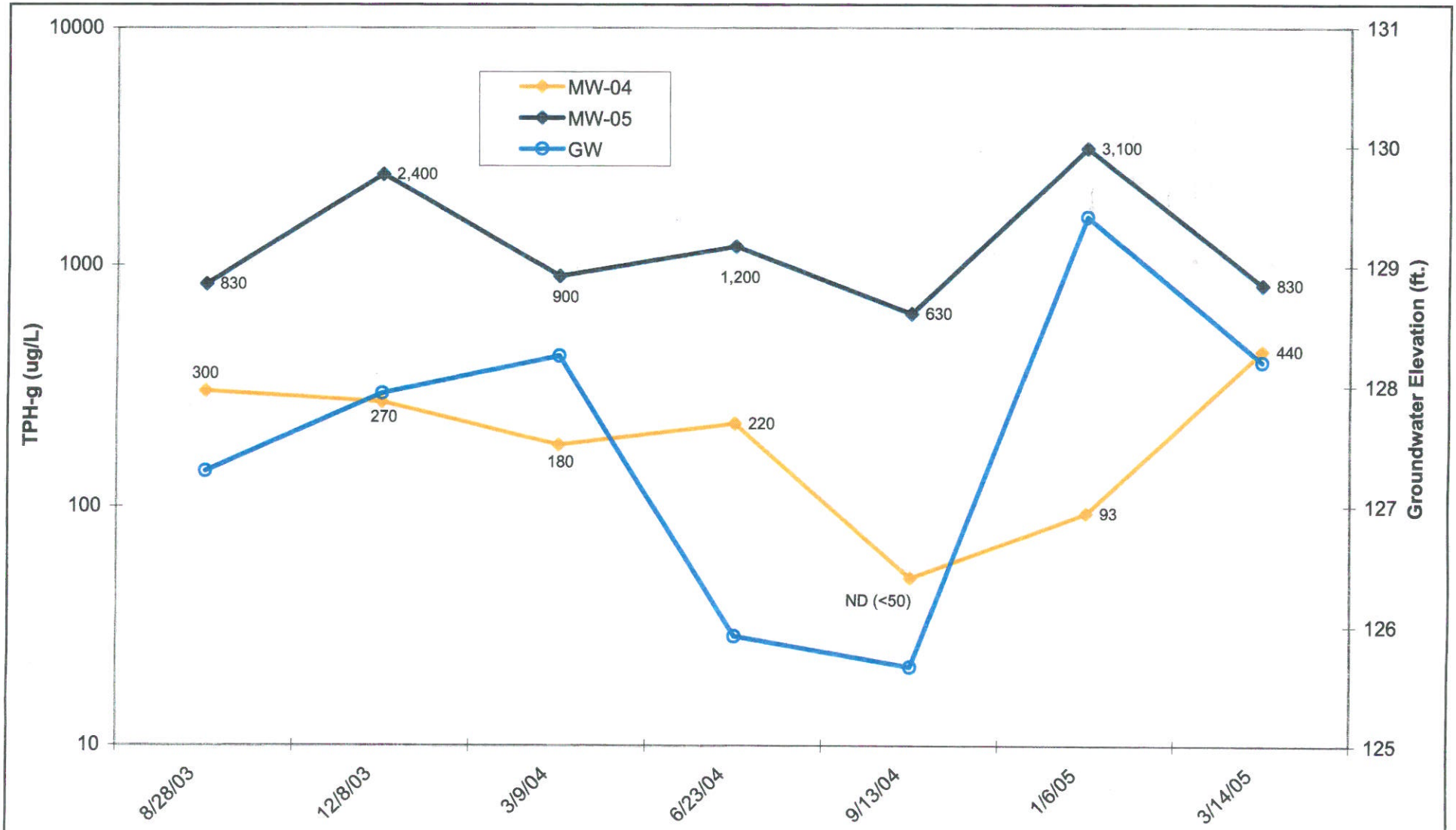
SCALE: 1" = 40'

FIGURE NO. 6

Key to Diagrams and Tables
458 West College Avenue, Santa Rosa

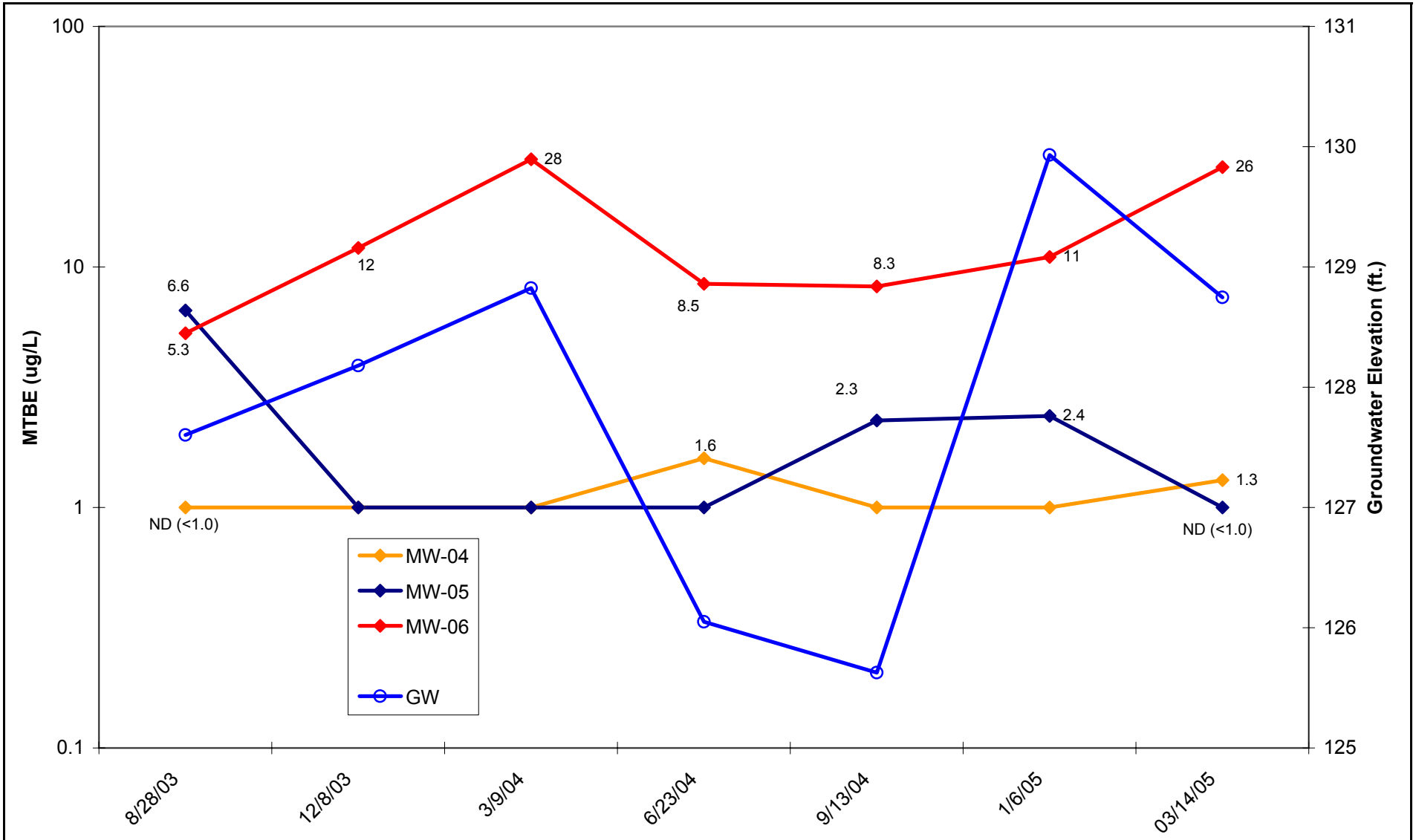
TPH-g	=	Total petroleum hydrocarbons in the gasoline range
TPH-d	=	Total petroleum hydrocarbons in the diesel range
B	=	Benzene
T	=	Toluene
E	=	Ethylbenzene
X	=	Xylenes
MTBE	=	Methyl tertiary butyl ether
DIPE	=	Di-isopropyl ether
ETBE	=	Ethyl tert-butyl ether
TAME	=	Tert amyl-methyl ether
TBA	=	Tert-butyl alcohol
5-Oxys	=	5 oxygenated fuel compounds (MTBE, DIPE, ETBE, TAME, TBA)
VOCs	=	Volatile organic compounds
HVOCs	=	Halogenated volatile organic compounds
μg/L	=	Micrograms per liter
ND	=	Non detect
NA	=	Not analyzed
EDC	=	Ethylene dichloride[2]
EDB	=	Ethylene dibromide[3]
Pb Scavs	=	Lead scavengers

[2] EDC has been referred to as 1,2-dichloroethane (1,2-DCA) in previous reports.
[3] EDB has been referred to as 1,2-dibromoethane in previous reports.



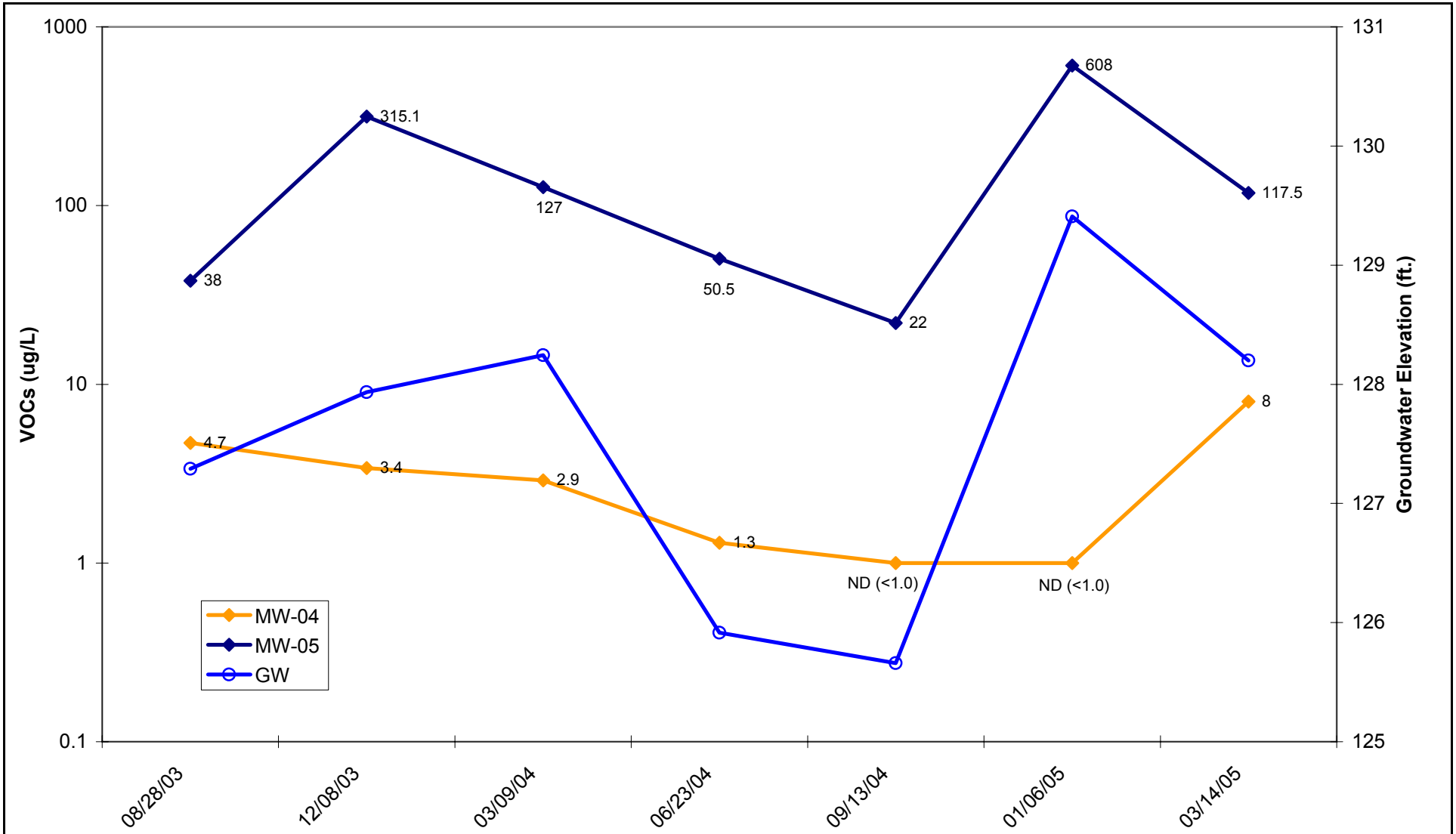
Note: MW-01 through MW-03 and MW-06 have been non-detect for TPH-g since installation in August 2003.

SCS ENGINEERS	TPH-g & GROUNDWATER ELEVATION vs TIME	DIAGRAM
3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH: (707) 546-9461 FX: (707)544-5769	Former A-1 Rentals 458 West College Avenue Santa Rosa, California	A
Drawn By: KLC / File Name: TPH-GW	Job Number: 01203354.00	DATE: 04/06/05



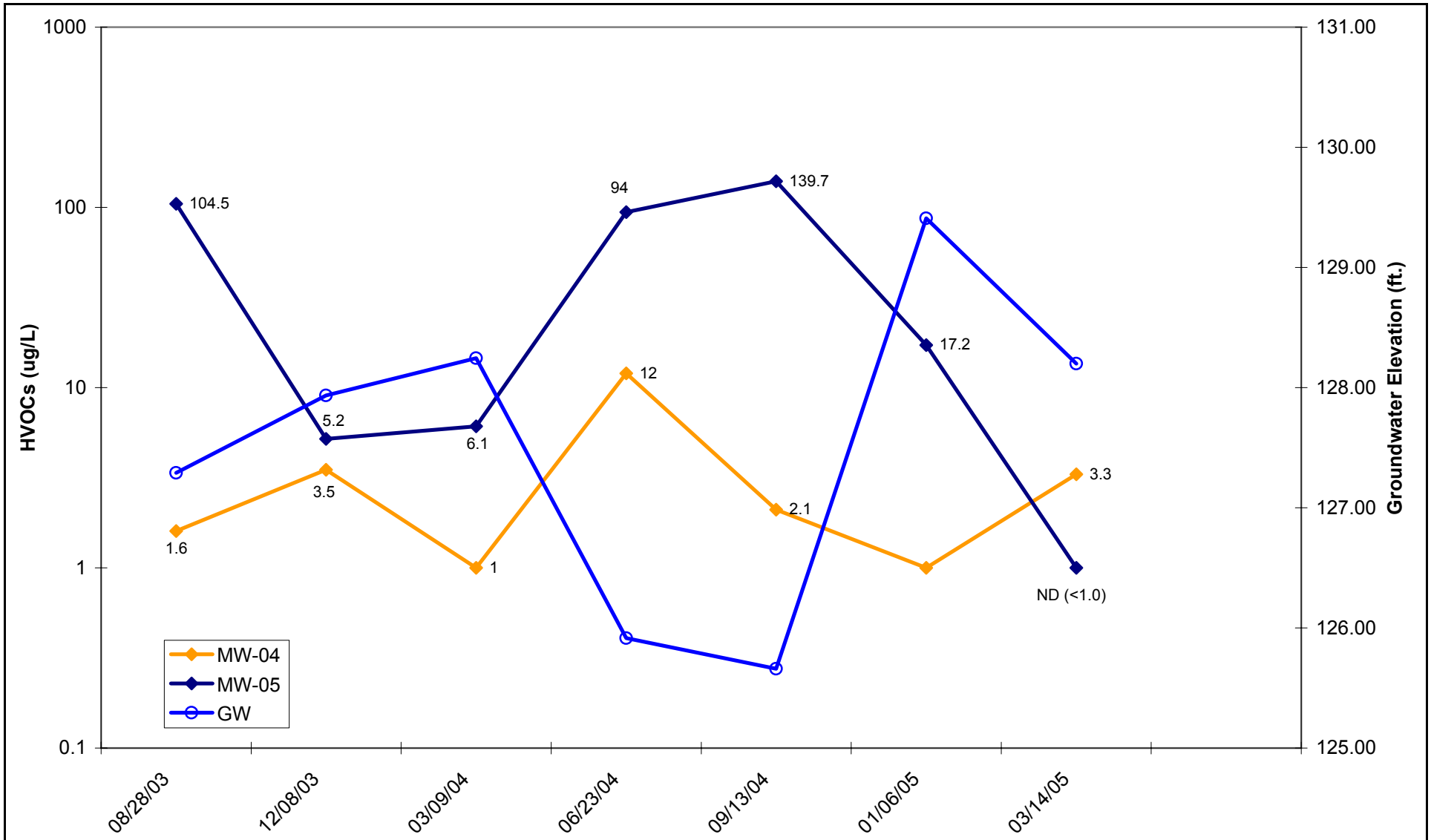
Note: MW-01, MW-02, and MW-03 have been non-detecct for MTBE since installation in August 2003.

SCS ENGINEERS		**MTBE & Groundwater Elevation vs Time**	**DIAGRAM**
3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH: (707) 546-9461 FX: (707)544-5769		Former A-1 Rentals 458 West College Avenue Santa Rosa, California	**B**
Drawn By: KLC	File Name: MTBE-GW	Job Number: 01203354.00	DATE: 04/06/05



Note: Gaoline-related compounds only. MW-01 through MW-03 and MW-06 have been non-detect since installation in August 2003.

SCS ENGINEERS	**ΣVOCs (Excluding TPH-g, BTEX and MTBE) & Groundwater Elevation vs Time**	**DIAGRAM**
3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH: (707) 546-9461 FX: (707)544-5769	Former A-1 Rentals 458 West College Avenue Santa Rosa, California	**C**
Drawn By: KLC — File Name: VOCs-GW	Job Number: 01203354.00	DATE: 04/06/05



Note: MW-01 through MW-03 and MW-06 have been non-detect since installation in August 2003.

SCS ENGINEERS	**ΣNon Gasoline-Related Compounds & Groundwater Elevation vs Time**	**DIAGRAM**
3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH: (707) 546-9461 FX: (707)544-5769	Former A-1 Rentals 458 West College Avenue Santa Rosa, California	**D**
Drawn By: KLC / File Name: VOCs-GW	Job Number: 01203354.00	DATE: 04/06/05

Table 1: Groundwater Flow Direction and Gradient
458 West College Avenue, Santa Rosa

Well #	Date	Top of Casing Elevation (ft. > msl)	Depth to Groundwater (ft.)	Water Level Elevation (ft. > msl)	Groundwater Flow Direction & Gradient (i)
MW-01	08/28/03*	135.93	6.33	129.60	Northerly i = 0.01
MW-02		136.19	7.35	128.84	
MW-03		135.62	8.92	126.70	
MW-04		135.10	8.65	126.45	
MW-05		135.23	7.10	128.13	
MW-06		135.37	7.14	128.23	
MW-01	12/08/03	135.93	7.19	128.74	Northwesterly i = 0.01
MW-02		136.19	7.18	129.01	
MW-03		135.62	6.05	129.57	
MW-04		135.10	7.85	127.25	
MW-05		135.23	6.61	128.62	
MW-06		135.37	6.97	128.40	
MW-01	03/09/04	135.93	5.70	130.23	Northeasterly i = 0.02
MW-02		136.19	6.54	129.65	
MW-03		135.62	6.41	129.21	
MW-04		135.10	7.78	127.32	
MW-05		135.23	6.06	129.17	
MW-06		135.37	5.39	129.98	
MW-01	06/23/04	135.93	8.52	127.41	Northerly i = 0.01
MW-02		136.19	9.70	126.49	
MW-03		135.62	10.10	125.52	
MW-04		135.10	9.58	125.52	
MW-05		135.23	8.92	126.31	
MW-06		135.37	9.05	126.32	
MW-01	09/13/04	135.93	9.47	126.46	Northwesterly i = 0.01
MW-02		136.19	10.51	125.68	
MW-03		135.62	11.11	124.51	
MW-04		135.10	9.50	125.60	
MW-05		135.23	9.51	125.72	
MW-06		135.37	9.81	125.56	
MW-01	01/06/05	135.93	4.62	131.31	Northerly i = 0.01
MW-02		136.19	5.19	131.00	
MW-03		135.62	4.92	130.70	
MW-04		135.10	6.72	128.38	
MW-05		135.23	4.79	130.44	
MW-06		135.37	4.40	130.97	
MW-01	03/14/05	135.93	5.55	130.38	Northerly i = 0.01
MW-02		136.19	6.54	129.65	
MW-03		135.62	6.73	128.89	
MW-04		135.10	7.91	127.19	
MW-05		135.23	6.02	129.21	
MW-06		135.37	5.53	129.84	

* Surveyed to msl on September 2, 2003 under the direction of a licensed land surveyor.

Table 2: Groundwater Analytical Results
458 West College Avenue, Santa Rosa

ID	Date	TPH-g	TPH-d	Gasoline Components														Non-Gasoline Components					
				Benzene	Toluene	Ethylbenzene	Xylenes	1,2-dichloroethane	Methyl tert butyl ether	sec-butylbenzene	isopropylbenzene	naphthalene	n-butylbenzene	n-propylbenzene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	tert-butylbenzene	p-isopropyltoluene	chlorobenzene	1, 4-dichlorobenzene	1,2-dichlorobenzene	1, 3 dichlorobenzene	1,2,4 trichlorobenzene
		µg/L																					
MW-01	08/28/03	<50	<50	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/08/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/23/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/04	<50	NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/06/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/14/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-02	08/28/03	<50	<50	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/08/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/23/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/04	<50	NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/06/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/14/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-03	08/28/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/08/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/23/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/04	<50	NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/06/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/14/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Note: All samples to date have been ND for analytes not listed in Table 2.

Table 2: Groundwater Analytical Results
458 West College Avenue, Santa Rosa

ID	Date	TPH-g	TPH-d	Gasoline Components														Non-Gasoline Components					
				Benzene	Toluene	Ethylbenzene	Xylenes	1,2-dichloroethane	Methyl tert butyl ether	sec-butylbenzene	isopropylbenzene	naphthalene	n-butylbenzene	n-propylbenzene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	tert-butylbenzene	p-isopropyltoluene	chlorobenzene	1, 4-dichlorobenzene	1,2-dichlorobenzene	1, 3 dichlorobenzene	1,2,4 trichlorobenzene
		µg/L																					
MW-04	08/28/03	**300**	**150***	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.8**	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0
	12/08/03	**270**	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	<1.0	**3.5**	<1.0	<1.0	<1.0	<1.0
	03/09/04	**180**	**100***	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0
	06/23/04	**220**	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**12**	<1.0	1.0	<1.0	<1.0
	09/13/04	<50	NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0	<1.0
	01/06/05	**93**	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/14/05	**440**	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	**3.3**	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	**3.1**	<1.0	**3.3**	<1.0	<1.0	<1.0	<1.0
MW-05	08/28/03	**830**	**260***	**4.1**	**1.4**	**9.1**	**21.3**	<1.0	**6.6**	**3.0**	**4.7**	**2.8**	<1.0	**8.4**	**13**	**3.7**	**2.4**	<1.0	**1.0**	**18**	**78**	**5.3**	**2.2**
	12/08/03	**2,400**	**460***	<5.0	<5.0	**96**	**96**	<5.0	<5.0	**11**	**48**	**25**	**11**	**120**	**75**	**17**	**8.1**	<1.0	<5.0	<5.0	**5.2**	<5.0	<5.0
	03/09/04	**900**	**220***	**1.0**	<1.0	**47**	**26.3**	<1.0	<1.0	**5.7**	**18**	**16**	**45**	<1.0	**35**	**3.1**	**4.2**	<1.0	**1.2**	**1.2**	**3.7**	<1.0	<1.0
	06/23/04	**1,200**	**180***	**18**	<1.0	**37**	**22**	<1.0	<1.0	**2.0**	**12**	**5.7**	**18**	<1.0	**8.9**	**1.3**	**2.6**	<1.0	**11**	**14**	**65**	**4.0**	<1.0
	09/13/04	**630**	NA	**15**	<0.5	**7.0**	**1.8**	<1.0	**2.3**	**1.1**	**5.5**	<1.0	**9.0**	<1.0	**3.0**	<1.0	**3.4**	<1.0	**37**	**22**	**74**	**6.7**	<1.0
	01/06/05	**3,100**	NA	**2.4**	<1.0	**210**	**34.6**	<1.0	**2.4**	**13**	**66**	**330**	**160**	<1.0	**17**	**11**	**11**	**1.0**	**7.2**	**1.9**	**7.1**	<1.0	<1.0
	03/14/05	**830**	NA	<1.0	<1.0	**23**	**18.6**	<1.0	<1.0	**2.9**	**9.8**	**3.3**	**2.6**	**22**	**30**	**2.9**	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-06	08/28/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**5.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/08/03	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**28**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	06/23/04	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	**8.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/13/04	<50	NA	<0.5	<0.5	<0.5	<1.5	<1.0	**8.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	01/06/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/14/05	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	**26**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Note: All samples to date have been ND for analytes not listed in Table 2.

* The sample chromatogram does not exhibit a characteristic pattern of diesel. Higher boiling points of weathered gasoline are present.

APPENDIX A

Well Purge Records, dated March 14, 2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER: **MW-01**

PROJECT	JOB NUMBER	SITE	RECORDED BY
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	SAMPLING METHOD
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA: **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs. MLE = Meter Limit Exceeded (>999 NTU's).**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 5.55

NAPL: n.a.*

NAPL THICKNESS: n.a.*

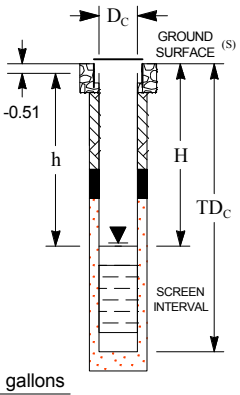
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.27 gallons

DATE OF SAMPLING:	3/14/2005
WEATHER:	Sunny
TAGGED WATER LEVELS FROM TOC:	5.55 / 5.55
TAGGED WELL DEPTH FROM TOC:	19.84
PURGE VOLUME (3 CASING VOLUMES):	6.8 gallons
DEPTH TO WATER FOR 80% RECHARGE:	8.34 ft. below TOC
TIME OF SAMPLING:	12:10
DEPTH TO WATER AT TIME OF SAMPLING:	6.53 ft. below TOC
APPEARANCE OF SAMPLE:	Slightly cloudy
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**11:45**	**11:46**	**2**	**2**	**0.88**	**6.79**	**0.990**	***MLE**	**19.0**	**2.76**	
3/14/05	**11:46**	**11:47**	**2**	**4**	**1.76**	**6.68**	**0.847**	**184**	**18.6**	**2.41**	
3/14/05	**11:47**	**11:49**	**3**	**7**	**3.08**	**6.67**	**0.850**	**10**	**18.4**	**2.65**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER **MW-02**

PROJECT	*JOB NUMBER*	*SITE*	*RECORDED BY*
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	*SAMPLING METHOD*
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.54

NAPL: n.a.*

NAPL THICKNESS: n.a.*

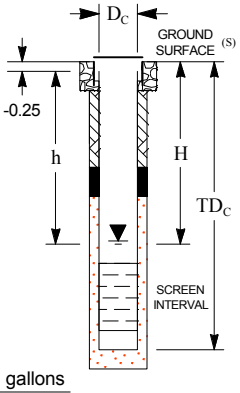
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.16 gallons

DATE OF SAMPLING: 3/14/2005

WEATHER: Sunny

TAGGED WATER LEVELS FROM TOC: 6.55 / 6.54

TAGGED WELL DEPTH FROM TOC: 20.21

PURGE VOLUME (3 CASING VOLUMES): 6.5 gallons

DEPTH TO WATER FOR 80% RECHARGE: 9.18 ft. below TOC

TIME OF SAMPLING: 14:40

DEPTH TO WATER AT TIME OF SAMPLING: 8.42 ft. below TOC

APPEARANCE OF SAMPLE: Clear

LABORATORY: Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUC-TIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPER-ATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**14:07**	**14:08**	**2**	**2**	**0.93**	**6.95**	**0.414**	**870**	**18.7**	**3.39**	
3/14/05	**14:08**	**14:10**	**2**	**4**	**1.86**	**6.82**	**0.454**	**277**	**17.6**	**4.01**	
3/14/05	**14:10**	**14:12**	**3**	**7**	**3.25**	**6.78**	**0.452**	**23**	**17.6**	**3.66**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER: **MW-03**

PROJECT	JOB NUMBER	SITE	RECORDED BY
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	SAMPLING METHOD
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA: **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.73

NAPL: n.a.*

NAPL THICKNESS: n.a.*

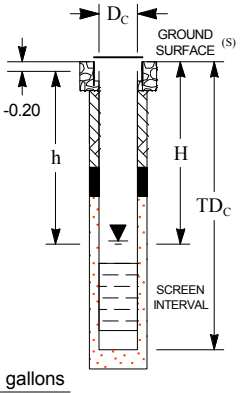
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.13 gallons

DATE OF SAMPLING:	3/14/2005
WEATHER:	Sunny
TAGGED WATER LEVELS FROM TOC:	6.74 / 6.73
TAGGED WELL DEPTH FROM TOC:	20.11
PURGE VOLUME (3 CASING VOLUMES):	6.4 gallons
DEPTH TO WATER FOR 80% RECHARGE:	9.34 ft. below TOC
TIME OF SAMPLING:	14:26
DEPTH TO WATER AT TIME OF SAMPLING:	8.38 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**13:53**	**13:55**	**2**	**2**	**0.94**	**6.73**	**0.526**	**172**	**18.8**	**3.08**	
3/14/05	**13:55**	**13:56**	**2**	**4**	**1.88**	**6.70**	**0.548**	**10**	**18.4**	**3.34**	
3/14/05	**13:56**	**13:59**	**3**	**7**	**3.28**	**6.83**	**0.584**	**10**	**18.1**	**2.62**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER: **MW-04**

PROJECT	JOB NUMBER	SITE	RECORDED BY
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	SAMPLING METHOD
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA: **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs. MLE = Meter Limit Exceeded (>999 NTU's).**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 7.91

NAPL: n.a.*

NAPL THICKNESS: n.a.*

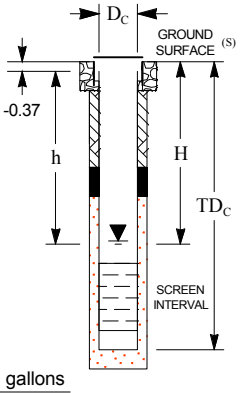
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 1.91 gallons

DATE OF SAMPLING:	3/14/2005
WEATHER:	Sunny
TAGGED WATER LEVELS FROM TOC:	7.91 / 7.91
TAGGED WELL DEPTH FROM TOC:	20.02
PURGE VOLUME (3 CASING VOLUMES):	5.7 gallons
DEPTH TO WATER FOR 80% RECHARGE:	10.25 ft. below TOC
TIME OF SAMPLING:	12:58
DEPTH TO WATER AT TIME OF SAMPLING:	8.60 ft. below TOC
APPEARANCE OF SAMPLE:	Very cloudy
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**12:23**	**12:25**	**2**	**2**	**1.05**	**7.12**	**0.409**	***MLE**	**18.2**	**3.69**	
3/14/05	**12:25**	**12:27**	**2**	**4**	**2.09**	**6.87**	**0.386**	**860**	**18.2**	**2.81**	
3/14/05	**12:27**	**12:28**	**2**	**6**	**3.14**	**6.82**	**0.371**	**379**	**18.3**	**2.38**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER: **MW-05**

PROJECT	JOB NUMBER	SITE	RECORDED BY
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	SAMPLING METHOD
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA: **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 6.02

NAPL: n.a.*

NAPL THICKNESS: n.a.*

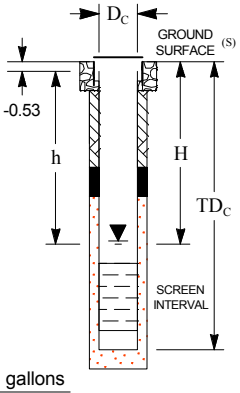
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.19 gallons

DATE OF SAMPLING:	3/14/2005
WEATHER:	Sunny
TAGGED WATER LEVELS FROM TOC:	6.03 / 6.02
TAGGED WELL DEPTH FROM TOC:	20.14
PURGE VOLUME (3 CASING VOLUMES):	6.6 gallons
DEPTH TO WATER FOR 80% RECHARGE:	8.71 ft. below TOC
TIME OF SAMPLING:	13:10
DEPTH TO WATER AT TIME OF SAMPLING:	7.36 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**12:39**	**12:40**	**2**	**2**	**0.91**	**7.08**	**0.223**	**10**	**15.9**	**2.79**	
3/14/05	**12:40**	**12:42**	**2**	**4**	**1.82**	**6.80**	**0.231**	**10**	**14.5**	**3.56**	
3/14/05	**12:42**	**12:44**	**3**	**7**	**3.19**	**6.74**	**0.225**	**10**	**14.3**	**3.40**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

SCS ENGINEERS

WELL PURGE RECORD

2005 - 1st Quarter

WELL NUMBER: **MW-06**

PROJECT	JOB NUMBER	SITE	RECORDED BY
Former A-1 Rentals	**01203354.00**	**485 W. College Ave.**	**Amy Yardley**

	PURGING METHOD	SAMPLING METHOD
HAND PUMP		
SUBMERSIBLE PUMP	X	
BAILER		X
OTHER		

PURGING CRITERIA: **Minimum of 3 wetted casing volumes (or 5 gallons minimum for 2" dia. wells), until water parameters (pH, temp., cond.) have stabilized (±10%), or until dry.**

REMARKS

*** Oil/water interface probe used to check for NAPLs.**

CASING DIAMETER (D_C): 2.0

DEPTH TO:

WATER (h): 5.53

NAPL: n.a.*

NAPL THICKNESS: n.a.*

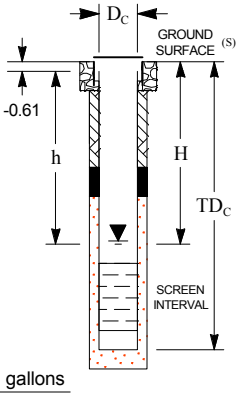
SCREEN DEPTH:

TOP: 5.0

BOTTOM: 20.0

TOTAL DEPTH (TD_C): 20.00

Diameters in (inches) : Depths in (feet)



ONE CASING VOLUME:
$[TD_C - H] [3.14 (D_C / 2)^2] [7.48 gal/ft^3]$: 2.26 gallons

DATE OF SAMPLING:	3/14/2005
WEATHER:	Sunny
TAGGED WATER LEVELS FROM TOC:	5.51 / 5.53
TAGGED WELL DEPTH FROM TOC:	20.03
PURGE VOLUME (3 CASING VOLUMES):	6.8 gallons
DEPTH TO WATER FOR 80% RECHARGE:	8.30 ft. below TOC
TIME OF SAMPLING:	12:02
DEPTH TO WATER AT TIME OF SAMPLING:	7.06 ft. below TOC
APPEARANCE OF SAMPLE:	Clear
LABORATORY:	Analytical Sciences

SEE CHAIN OF CUSTODY FORM FOR ANALYTICAL INFORMATION.

PURGING DATA				CUMULATIVE TOTAL REMOVED		WATER CHARACTERISTICS					COMMENTS
DATE	TIME BEGIN	TIME FINISH	WATER REMOVED (GAL)	GAL	CASING VOLUMES	pH	CONDUCTIVITY (mmhos/cm)	TURBIDITY (NTU)	TEMPERATURE (°C)	DISSOLVED OXYGEN (ppm)	
3/14/05	**11:30**	**11:32**	**2**	**2**	**0.88**	**6.56**	**0.711**	**481**	**19.1**	**2.56**	
3/14/05	**11:32**	**11:33**	**2**	**4**	**1.77**	**6.46**	**0.711**	**10**	**18.8**	**3.50**	
3/14/05	**11:33**	**11:36**	**3**	**7**	**3.09**	**6.45**	**0.707**	**10**	**18.8**	**2.69**	

Report Form: WELL PURGE RECORD 2 Project ID: 01203354.00.GPJ Date: 3/24/2005

APPENDIX B

Analytical Sciences report #5031503, dated March 29, 2005

Analytical Sciences

Report Date: March 29, 2005

Stephen Knuttel
SCS Engineers
3645 Westwind Blvd.
Santa Rosa, CA 95403

LABORATORY REPORT

Project Name: **Nations Rent**

Lab Project Number: **5031503**

This 18 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director

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Petaluma, CA 94952
Fax: (707) 769-8093

TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28837	**MW-01**	**TPH/Gasoline**	**ND**	50

Date Sampled:	03/14/05	Date Analyzed:	03/17/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28838	**MW-02**	**TPH/Gasoline**	**ND**	50

Date Sampled:	03/14/05	Date Analyzed:	03/17/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28839	**MW-03**	**TPH/Gasoline**	**ND**	50

Date Sampled:	03/14/05	Date Analyzed:	03/17/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28840	**MW-04**	**TPH/Gasoline**	**440**	50

Date Sampled:	03/14/05	Date Analyzed:	03/17/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28841	**MW-05**	**TPH/Gasoline**	**830**	100

Date Sampled:	03/14/05	Date Analyzed:	03/18/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
28842	**MW-06**	**TPH/Gasoline**	**ND**	50

Date Sampled:	03/14/05	Date Analyzed:	03/17/05	QC Batch #:	5391
Date Received:	03/15/05	Method:	EPA 5030/8015M		

Volatile Hydrocarbons by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28837	**MW-01**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28837	**MW-01**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.8	109	70 – 130
toluene-d_8 (20)	19.7	98.5	70 – 130
4-bromofluorobenzene (20)	19.9	99.5	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
Date Analyzed: 03/15/05
Method: EPA 8260B
QC Batch #: 5386

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28838	**MW-02**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28838	**MW-02**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.9	110	70 – 130
toluene-d_8 (20)	19.7	98.5	70 – 130
4-bromofluorobenzene (20)	20.1	101	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
Date Analyzed: 03/15/05
Method: EPA 8260B
QC Batch #: 5386

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28839	**MW-03**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28839	**MW-03**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.3	107	70 – 130
toluene-d_8 (20)	18.9	94.5	70 – 130
4-bromofluorobenzene (20)	19.7	98.5	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
Date Analyzed: 03/15/05
Method: EPA 8260B
QC Batch #: 5386

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28840	**MW-04**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**3.3**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28840	**MW-04**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**3.1**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**3.3**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**1.6**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**1.3**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.9	110	70 – 130
toluene-d_8 (20)	19.8	99.0	70 – 130
4-bromofluorobenzene (20)	20.0	100	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
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Method: EPA 8260B
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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28841	**MW-05**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**23**	1.0
		m,p-xylene	**16**	1.0
		styrene	**ND**	1.0
		o-xylene	**2.6**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28841	**MW-05**	**isopropyl benzene**	**9.8**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**22**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**2.9**	1.0
		tert-butylbenzene	**2.4**	1.0
		1,2,4-trimethylbenzene	**30**	1.0
		sec-butylbenzene	**2.9**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**2.6**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**3.3**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**ND**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.3	107	70 – 130
toluene-d_8 (20)	18.9	94.5	70 – 130
4-bromofluorobenzene (20)	20.1	101	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28842	**MW-06**	**dichlorodifluoromethane**	**ND**	1.0
		chloromethane	**ND**	1.0
		vinyl chloride	**ND**	1.0
		chloroethane	**ND**	1.0
		bromomethane	**ND**	1.0
		trichlorofluoromethane	**ND**	1.0
		1,1-dichloroethene (1,1-DCE)	**ND**	1.0
		methylene chloride	**ND**	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	**ND**	1.0
		1,1-dichloroethane (1,1-DCA)	**ND**	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	**ND**	1.0
		2,2-dichloropropane	**ND**	1.0
		chloroform (THM1)	**ND**	1.0
		bromochloromethane	**ND**	1.0
		1,1,1-trichloroethane (TCA)	**ND**	1.0
		1,2-dichloroethane (EDC)	**ND**	1.0
		1,1-dichloropropene	**ND**	1.0
		carbon tetrachloride	**ND**	1.0
		benzene	**ND**	1.0
		trichloroethene (TCE)	**ND**	1.0
		1,2-dichloropropane (DCP)	**ND**	1.0
		dibromomethane	**ND**	1.0
		bromodichloromethane (THM2)	**ND**	1.0
		cis-1,3-dichloropropene	**ND**	1.0
		toluene	**ND**	1.0
		1,1,2-trichloroethane	**ND**	1.0
		1,3-dichloropropane	**ND**	1.0
		dibromochloromethane (THM3)	**ND**	1.0
		tetrachloroethene (PCE)	**ND**	1.0
		1,2-dibromoethane (EDB)	**ND**	1.0
		chlorobenzene	**ND**	1.0
		1,1,1,2-tetrachloroethane	**ND**	1.0
		ethyl benzene	**ND**	1.0
		m,p-xylene	**ND**	1.0
		styrene	**ND**	1.0
		o-xylene	**ND**	1.0
		bromoform (THM4)	**ND**	1.0
		1,1,2,2-tetrachloroethane	**ND**	1.0

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
28842	**MW-06**	**isopropyl benzene**	**ND**	1.0
		1,2,3-trichloropropane	**ND**	1.0
		bromobenzene	**ND**	1.0
		n-propyl benzene	**ND**	1.0
		2-chlorotoluene	**ND**	1.0
		4-chlorotoluene	**ND**	1.0
		1,3,5-trimethylbenzene	**ND**	1.0
		tert-butylbenzene	**ND**	1.0
		1,2,4-trimethylbenzene	**ND**	1.0
		sec-butylbenzene	**ND**	1.0
		1,3-dichlorobenzene	**ND**	1.0
		1,4-dichlorobenzene	**ND**	1.0
		1,2-dichlorobenzene	**ND**	1.0
		p-isopropyltoluene	**ND**	1.0
		n-butylbenzene	**ND**	1.0
		1,2,4-trichlorobenzene	**ND**	1.0
		naphthalene	**ND**	1.0
		hexachlorobutadiene	**ND**	1.0
		1,2,3-trichlorobenzene	**ND**	1.0
		Oxygenated Gasoline Additives		
		tert-butyl alcohol (TBA)	**ND**	25
		methyl tert-butyl ether (MTBE)	**26**	1.0
		di-isopropyl ether (DIPE)	**ND**	1.0
		ethyl tert-butyl ether (ETBE)	**ND**	1.0
		tert-amyl methyl ether (TAME)	**ND**	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.8	109	70 – 130
toluene-d_8 (20)	19.5	97.5	70 – 130
4-bromofluorobenzene (20)	20.3	102	70 – 130

Date Sampled: 03/14/05
Date Received: 03/15/05
Date Analyzed: 03/15/05
Method: EPA 8260B
QC Batch #: 5386

LABORATORY
QUALITY ASSURANCE REPORT

QC Batch #: 5391 **Lab Project #:** 5031503

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
28837	CMS	TPH/Gas		NS	
	CMS	Benzene	9.14	10.0	91.4
	CMS	Toluene	9.18	10.0	91.8
	CMS	Ethyl Benzene	9.37	10.0	93.7
	CMS	Xylenes	28.5	30.0	95.0

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
28837	CMSD	TPH/Gas		NS		
	CMSD	Benzene	9.51	10.0	95.1	4.0
	CMSD	Toluene	9.39	10.0	93.9	2.3
	CMSD	Ethyl Benzene	9.56	10.0	95.6	2.0
	CMSD	Xylenes	29.3	30.0	97.5	2.8

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

QC Batch #: 5386 **Lab Project #:** 5031503

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.7	109	70 – 130
toluene-d_8 (20)	18.7	93.5	70 – 130
4-bromofluorobenzene (20)	19.4	97.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
28837	CMS	1,1-dichloroethene	27.8	25.0	111
	CMS	benzene	26.2	25.0	105
	CMS	trichloroethene	24.5	25.0	98.0
	CMS	toluene	24.6	25.0	98.4
	CMS	chlorobenzene	24.4	25.0	97.6

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	22.0	110	70 – 130
toluene-d_8 (20)	19.5	97.5	70 – 130
4-bromofluorobenzene (20)	19.5	97.5	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
28837	CMSD	1,1-dichloroethene	24.6	25.0	98.4	12
	CMSD	benzene	26.9	25.0	108	2.6
	CMSD	trichloroethene	24.2	25.0	96.8	1.2
	CMSD	toluene	26.5	25.0	106	7.4
	CMSD	chlorobenzene	25.4	25.0	102	4.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.5	97.5	70 – 130
toluene-d_8 (20)	21.7	109	70 – 130
4-bromofluorobenzene (20)	20.4	102	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

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Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 503503
SCS ENGINEERS PROJECT NAME: Nations Rent
SCS ENGINEERS PROJECT NUMBER: 01203354.00

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME:	SCS ENGINEERS	CONTACT:	Mr. Jim Biocca
ADDRESS:	3645 WESTWIND BOULEVARD	COMPANY NAME:	
	SANTA ROSA, CA 95403	ADDRESS:	9820 Brooks Rd. South
CONTACT:	Stephen Knüttel		Windsor, CA 95492
PHONE#:	(707) 546-9461	PHONE#:	707-838-0319
FAX #:	(707) 544-5769	FAX #:	

TURNAROUND TIME (check one)

MOBILE LAB			
SAME DAY		24 HOURS	
48 HOURS		72 HOURS	
5 DAYS		NORMAL	X

GEOTRACKER EDF: X Y ___ N
GLOBAL ID: T0609700771

COOLER TEMPERATURE
_____ °C
COC

PAGE 1 OF 1

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8260 (FULL LIST)	EPA 8260 Full List + Oxy / Fuel Additives	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEMI-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 5520F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 5 LUFT METALS	TOTAL LEAD	Complete 8260B full list + oxy/Pb scav	COMMENTS	LAB SAMPLE #
1	MW-1 01	3/14/05	1210	LIQ	4	Yes	X												X	*Analyt. incl	28837
2	MW-2 02	3/14/05	1210	LIQ	4	Yes	X												X	Suite revised	28838
3	MW-3 03	3/14/05	1045	LIQ	4	Yes	X												X	per client	28839
4	MW-4 04	3/14/05	1258	LIQ	4	Yes	X												X	(Coker	28840
5	MW-5 05	3/14/05	110	LIQ	4	Yes	X												X	includes	28841
6	MW-6 06	3/14/05	1202	LIQ	4	Yes	X												X	TPH-g 8260	28842
7																				full list+oxy	
8																				& Pb scav	
9																				*Sample ID's revised	
10																				per Kim Coker	
11																					

SIGNATURES

RELINQUISHED BY:	Amy Yarelley	DATE::		TIME:	
RECEIVED BY:		DATE::		TIME:	
RELINQUISHED BY:	Pam Miles	DATE::	3.15.05	TIME:	10:10
RECEIVED BY:		DATE:		TIME:	

RECEIVED BY LABORATORY: _____ 3/15/05 10:10
SIGNATURE DATE TIME

110 Liberty Street
Petaluma, CA 94952
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Analytical Sciences